

FILE 'HOME' ENTERED AT 09:18:39 ON 21 OCT 2003

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR,
AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU,
DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 09:19:15 ON
21 OCT
2003

SEA (HYDROGEN (1W) PEROXIDE?) AND (DNA RNA NUCLEIC) AND
LABEL?

11 FILE USPATFULL

2 FILE USPAT2

L1 QUE (HYDROGEN (1W) PEROXIDE?) AND (DNA RNA NUCLEIC)
AND LABEL?

FILE 'USPATFULL, USPAT2' ENTERED AT 09:22:26 ON 21 OCT 2003

L2 13 S L1
L3 0 S L2 AND REDOX
L4 0 S L2 AND REDOX?
L5 0 S L4 AND AMINE
L6 3 S L2 AND AMINE
L7 3 DUP REM L6 (0 DUPLICATES REMOVED)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR,
AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU,
DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 09:25:30 ON
21 OCT
2003

SEA PEROXIDE? AND (DNA (2W) LABELING)

19 FILE BIOSIS
2 FILE BIOTECHABS
2 FILE BIOTECHDS
3 FILE CANCERLIT
9 FILE CAPLUS
3 FILE EMBASE
1 FILE ESBIODASE

2 FILE IFIPAT
1 FILE LIFESCI
5 FILE MEDLINE
1 FILE NIOSHTIC
2 FILE PASCAL
6 FILE SCISEARCH
15 FILE TOXCENTER
409 FILE USPATFULL
33 FILE USPAT2
L8 QUE PEROXIDE? AND (DNA (2W) LABELING)

FILE 'BIOSIS, CAPLUS, MEDLINE, SCISEARCH, TOXCENTER' ENTERED AT
09:30:49

ON 21 OCT 2003

L9 54 S L8
L10 0 S L9 AND REDOX?
L11 29 DUP REM L9 (25 DUPLICATES REMOVED)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR,
AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU,
DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 09:35:15 ON
21 OCT
2003

SEA PEROXIDE? AND (DNA (P) LABELING)

0* FILE ADISNEWS
1 FILE AGRICOLA
1 FILE AQUASCI
1 FILE BIOBUSINESS
0* FILE BIOCOMMERCE
127 FILE BIOSIS
7* FILE BIOTECHABS
7* FILE BIOTECHDS
64* FILE BIOTECHNO
2 FILE CABA
36 FILE CANCERLIT
95 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
7 FILE DISSABS
1 FILE DRUGU

63 FILE EMBASE
 44* FILE ESBIODBASE
 3* FILE FEDRIP
 0* FILE FOMAD
 0* FILE FOREGE
 0* FILE FROSTI
 0* FILE FSTA
 17 FILE IFIPAT
 2 FILE JICST-EPLUS
 0* FILE KOSMET
 21 FILE LIFESCI
 0* FILE MEDICONF
 69 FILE MEDLINE
 7 FILE NIOSHTIC
 1* FILE NTIS
 0* FILE NUTRACEUT
 25* FILE PASCAL
 0* FILE PHARMAML
 1 FILE PROMT
 80 FILE SCISEARCH
 147 FILE TOXCENTER
 1394 FILE USPATFULL
 65 FILE USPAT2
 6 FILE WPIDS
 6 FILE WPINDEX
 L12 QUE PEROXIDE? AND (DNA (P) LABELING)

FILE 'TOXCENTER, BIOSIS, SCISEARCH, MEDLINE, EMBASE, ESBIODBASE,
 CANCERLIT, PASCAL, LIFESCI' ENTERED AT 09:37:03 ON 21 OCT 2003

L13 612 S L12
 L14 47 S L13 AND REDOX?
 L15 1 S L14 AND ANAEROB?
 L16 46 S L14 AND HYDROGEN
 L17 46 S L16 AND (HYDROGEN (1W) PEROXIDE?)
 L18 8 S L17 AND CONDENSATION
 L19 1 DUP REM L18 (7 DUPLICATES REMOVED)
 L20 45 S L17 NOT L19
 L21 0 S L20 AND (FE ADJ1 EDTA)
 L22 0 S L20 AND ALDEHYDE
 L23 8 S L13 AND ALDEHYDE
 L24 2 DUP REM L23 (6 DUPLICATES REMOVED)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR,
 AQUASCI,

BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU,
DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 09:42:39 ON
21 OCT
2003

SEA PEROXIDE? AND ALDEHYDE

1 FILE ADISCTI
96 FILE AGRICOLA
24 FILE ANABSTR
15 FILE AQUASCI
35 FILE BIOBUSINESS
1 FILE BIOCOMMERCE
589 FILE BIOSIS
62 FILE BIOTECHABS
62 FILE BIOTECHDS
195 FILE BIOTECHNO
158 FILE CABA
107 FILE CANCERLIT
3883 FILE CAPLUS
56 FILE CEABA-VTB
29 FILE CEN
4 FILE CIN
5 FILE CONFSCI
1 FILE CROPB
12 FILE CROPU
96 FILE DISSABS
23 FILE DDFB
34 FILE DDFU
33 FILE DGENE
23 FILE DRUGB
52 FILE DRUGU
4 FILE EMBAL
588 FILE EMBASE
201 FILE ESBIODASE
42 FILE FEDRIP
1 FILE FOREGE
69 FILE FROSTI
224 FILE FSTA
19 FILE GENBANK
5 FILE HEALSAFE
726 FILE IFIPAT
377 FILE JICST-EPLUS
10 FILE KOSMET

119 FILE LIFESCI
909 FILE MEDLINE
49 FILE NIOSHTIC
67 FILE NTIS
4 FILE OCEAN
391 FILE PASCAL
131 FILE PROMT
33 FILE RDISCLOSURE
865 FILE SCISEARCH
26 FILE SYNTHLINE
1436 FILE TOXCENTER
22475 FILE USPATFULL
821 FILE USPAT2
8 FILE VETU
1038 FILE WPIDS
1038 FILE WPINDEX
L25 QUE PEROXIDE? AND ALDEHYDE

FILE 'CAPLUS, TOXCENTER, MEDLINE, IFIPAT, BIOSIS, EMBASE, PASCAL,
JICST-EPLUS, FSTA, ESBIODBASE, BIOTECHNO, CABA, PROMT, LIFESCI,
CANCERLIT,

AGRICOLA, DISSABS' ENTERED AT 09:44:35 ON 21 OCT 2003

L26 10226 S L25
L27 672 S L26 AND (DNA OR NUCLEIC OR RNA)
L28 49 S L27 AND REDOX?
L29 6 S L28 AND LABEL?
L30 3 DUP REM L29 (3 DUPLICATES REMOVED)
L31 66 S L27 AND AMINE?
L32 1 S L31 AND (FE (1W) EDTA)
L33 6 S L31 AND ASCORBIC
L34 5 DUP REM L33 (1 DUPLICATE REMOVED)

L11 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1991:116322 CAPLUS

DOCUMENT NUMBER: 114:116322

TITLE: Automated sequencing of fluorescently labeled DNA by
chemical degradation

AUTHOR(S): Rosenthal, Andre; Sproat, Brian; Voss, Hartmut;
Stegemann, Josef; Schwager, Christian; Erflc, Holger;
Zimmermann, Juergen; Coutelle, Charles; Ansorge,
Wilhelm

CORPORATE SOURCE: Zentralinst. Molekularbiol., Akad. Wiss. DDR, Berlin,
1115, Ger. Dem. Rep.

SOURCE: DNA Sequence (1990), 1(1), 63-71
CODEN: DNSEES; ISSN: 1042-5179

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 63368-54-7, 5-Iodoacetamidofluorescein 132435-98-4

RL: PRP (Properties)

(DNA labeling with, for sequence detn. by chem.
degrdn.)

IT 64-18-6, Formic acid, biological studies 77-78-1 110-89-4, Piperidine,
biological studies 302-01-2, Hydrazine, biological studies 7722-64-7,
Potassium permanganate 7722-84-1, Hydrogen peroxide,
biological studies 7803-49-8, Hydroxylamine, biological studies
13255-48-6, Hydrazine acetate 16940-66-2, Sodium borohydride

RL: BIOL (Biological study)

(fluorescein-labeled DNA degrdn. by, in sequence detn.)

L11 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1990:32767 CAPLUS

DOCUMENT NUMBER: 112:32767

TITLE: Acridinium ester-labeled DNA oligonucleotide probes

AUTHOR(S): Septak, M.

CORPORATE SOURCE: Gene-Trak Syst., Framingham, MA, 01701, USA

SOURCE: Journal of Bioluminescence and Chemiluminescence

(1989), 4(1), 351-6

CODEN: JBCHE7; ISSN: 0884-3996

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Chemiluminescent acridinium ester derivs. have been synthesized and
covalently attached to suitably modified synthetic DNA oligonucleotides.
Attachment of acridinium ester label to primary aliph. amine group(s)
present in the synthetic DNA probe mol. is rapid and efficient. Methods
have been developed for efficient sepn. of acridinium ester-labeled
DNA from unincorporated labeling reagent and
underivatized DNA. The basic hydrogen peroxide detection
reaction and photon counting conditions for measurement of
chemiluminescence emission from acridinium ester-labeled DNA probes have
been optimized. Under optimal conditions, the obsd. detection limit for
the labeled DNA (1:1 mol ratio) is the same as for the free acridinium
ester label, which is 2 amol sensitivity in the best case studied.

L11 ANSWER 29 OF 29 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS
INC. on STN

DUPLICATE 7

ACCESSION NUMBER: 1989:95678 BIOSIS

DOCUMENT NUMBER: PREV198987049814; BA87:49814

TITLE: DNA ADDUCT FORMATION BY ALACHLOR METABOLITES.

AUTHOR(S): BROWN M A [Reprint author]; KIMMEL E C; CASIDA J E

CORPORATE SOURCE: PESTICIDE CHEM TOXICOL LAB, DEP ENTOMOL SCI,
UNIV CALIF,

BERKELEY, CA 94720, USA

SOURCE: Life Sciences, (1988) Vol. 43, No. 25, pp. 2087-2094.

CODEN: LIFSAK. ISSN: 0024-3205.

DOCUMENT TYPE: Article

FILE SEGMENT: BA

LANGUAGE: ENGLISH

ENTRY DATE: Entered STN: 6 Feb 1989

Last Updated on STN: 6 Feb 1989

AB. . . [ArNHC(O)CH₂Cl] and [14C-phenyl]2,6-diethylaniline (DEA) (ArNH₂),
and to [14C-methoxy]alachlor in various in vitro and in vivo systems.
Horseradish peroxidase and hydrogen peroxide activate DEA, but
not CDEPA or alachlor, for formation of adducts with calf thymus DNA,
which probably involves 2,6-diethylnitrosobenzene (ArNO). . . each
labeled preparation to calf thymus DNA; 4-fold higher labeling is observed
from [14C-methoxy]- than from [14C-phenyl]alachlor. This 4-fold
preferential DNA labeling from the 14C-methoxy
compound is likewise found in the liver of mice treated intraperitoneally.
Mouse liver protein and hemoglobin are also labeled, in vivo, with
[14C-phenyl]alachlor, -CDEPA and -DEA, and as with the DNA, the
labeling of these proteins is 1.5- to 2-fold higher with
[14C-methoxy]alachlor. Metabolic studies indicate that
ArN(CH₂OCH₂OH)-C-(O)CH₂Cl is an intermediate in forming. . .

L34 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1991:225168 CAPLUS

DOCUMENT NUMBER: 114:225168

TITLE: Redox polymerization diagnostic test composition and
method for immunoassay and nucleic acid
hybridization assay

INVENTOR(S): Oster, Gerald; Davis, Baruch J.

PATENT ASSIGNEE(S): USA

SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 383124	A2	19900822	EP 1990-102166	19900203
EP 383124	A3	19920506		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL				
US 5035997	A	19910730	US 1989-312525	19890217

JP 02259567 A2 19901022 JP 1990-36016 19900216
PRIORITY APPLN. INFO.: US 1989-312525 19890217

TI Redox polymerization diagnostic test composition and method for
immunoassay and nucleic acid hybridization assay

AB A diagnostic test compn. for detecting and measuring an analyte possessing
biol. activity comprises (a) a redox catalyst system capable of converting
a monomer to a polymer, the monomer capable of undergoing addn. polymn.,
the redox catalyst system comprising .gtoreq.1 chem. moieties with 1) the
analyte comprising .gtoreq.1 such moiety or 2) in the case that the
analyte lacks a redox catalyst property, the analyte is linked by a
specific ligand to .gtoreq.1 such moiety or is linked by the specific
ligand to a generator of .gtoreq.1 such moiety; and; (b) .gtoreq.1 monomer
capable or undergoing addn. polymn. Immunoassays and nucleic
acid hybridization assays using redox polymn. are described. Thus,
glucose oxidase coupled to antibody is reacted with an immobilized antigen
spot on a glass slide, uncombined conjugate is washed off, and the slide
is dipped into a soln. contg. Ca acrylate 10%, glucose 5%, and ascorbate
acid 0.5% for 10 min to form a grossly visible white ppt. at the site of
the antigen.

ST redox polymn diagnosis test signal; immunoassay redox polymn;
nucleic acid hybridization redox polymn

IT Diagnosis

(immunoassay or nucleic acid hybridization assay compn. for,
redox polymn. signal in)

IT Nucleic acid hybridization

(redox polymn. catalysts for addn. polymn. signal in)

IT Polymerization

(addn., in signal generation for immunoassays and nucleic
acid hybridization assays, redox catalysts in)

IT Nucleic acids

RL: ANST (Analytical study)

(conjugates, with redox catalyst, as probe for hybridization assay
using redox polymn. signal)

IT Vinyl compounds, polymers

RL: FORM (Formation, nonpreparative)

(polymers, formation of, as signal in redox polymn. immunoassay and
nucleic acid hybridization assay)

IT Enzymes

RL: ANST (Analytical study)

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(FILE 'HOME' ENTERED AT 11:22:26 ON 21 OCT 2003)

FILE 'CAPLUS' ENTERED AT 11:31:21 ON 21 OCT 2003

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:31:28 ON 21 OCT 2003

L1 15176 S PEROXIDE AND (DNA OR NUCLEIC OR OLIGO?)
L2 913 S L1 AND LABEL?
L3 13 S L2 AND ALDEHYDE#
L4 10 DUP REM L3 (3 DUPLICATES REMOVED)
L5 12 S PEROXIDE (5A) LABEL? (5A) (DNA OR NUCLEIC OR OLIGO?)
L6 12 S PEROXIDE? (5A) LABEL? (5A) (DNA OR NUCLEIC OR OLIGO?)
L7 305 S PEROXID? (5A) LABEL? (5A) (DNA OR NUCLEIC OR OLIGO?)
L8 7 DUP REM L6 (5 DUPLICATES REMOVED)
L9 4435 S AMIN? (9A) BIOTIN?
L10 6 S L9 AND (PHENANTHROLINE OR (FE OR IRON) (3A) (EDTA))
L11 6 DUP REM L10 (0 DUPLICATES REMOVED)
L12 16 S L9 AND PEROXIDE
L13 11 DUP REM L12 (5 DUPLICATES REMOVED)
L14 16630 S PEROXIDE AND (DNA OR NUCLEIC OR OLIGO? OR RNA)
L15 2514 S L14 AND AMIN?
L16 171 S L15 AND LABEL?
L17 500 S PEROXIDE AND (DNA OR NUCLEIC OR OLIGO? OR RNA) (9A) LABEL?
L18 85 S L17 AND AMIN?
L19 63 DUP REM L18 (22 DUPLICATES REMOVED)

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